

1. A quaternary compound, which conforms to the following structure:


$$\text{R-C(O)-N(H)-(CH}_2\text{)}_3\text{-N}^+\text{-(CH}_3\text{)}_2\text{Cl}^-$$

R is alkyl having between 7 and 27 carbon atoms, and includes linear, branched,, saturated, unsaturated and polyunsaturated;

C is selected from the group consisting of

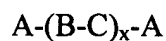


$$\begin{array}{c}
 \text{CH}_3 \\
 | \\
 \text{CH}_2\text{-CH}_2\text{-(CH}_2)_7\text{-C(O)-N(H)-(CH}_2)_3\text{N}^+\text{-} \\
 | \qquad \qquad \qquad / \qquad \qquad \qquad \backslash \\
 \text{CH} \qquad \qquad \qquad \text{CH}_3 \\
 / \qquad \backslash \\
 \text{CH}_3(\text{CH}_2)_5\text{-CH} \quad \text{HC--(CH}_2)_7\text{-C(O)-N(H)} \quad \text{CH}_3 \\
 | \qquad \qquad | \qquad \qquad \qquad | \qquad \qquad | \\
 \text{CH}_3(\text{CH}_2)_5\text{-CH} \quad \text{CH}_2 \qquad \qquad \text{(CH}_2)_3\text{N}^+\text{-} \\
 \backslash \qquad / \qquad \qquad \qquad | \\
 \text{CH}_2 \qquad \qquad \text{Cl}^- \qquad \qquad \text{CH}_3
 \end{array}$$

x is an integer ranging from 1 to 2000.

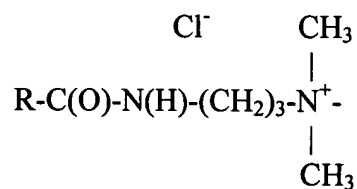
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13. A process for conditioning hair, which comprises contacting the hair with an effective conditioning concentration of a quaternary compound, which conforms to the following structure:



wherein:

**A is**

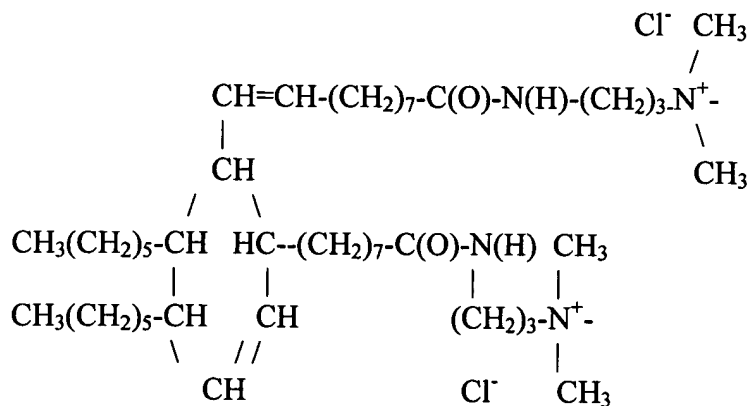


wherein;

R is alkyl having between 7 and 27 carbon atoms, and includes linear, branched,, saturated, unsaturated and polyunsaturated;

B is  $-\text{CH}_2\text{CH}(\text{OH})\text{CH}_2-$

C is selected from the group consisting of:



$$\begin{array}{c}
 \text{CH}_3 \\
 | \\
 \text{CH}_2\text{-CH}_2\text{-(CH}_2\text{)}_7\text{-C(O)-N(H)-(CH}_2\text{)}_3\text{.N}^+\text{-} \\
 | \qquad \qquad \qquad / \qquad \qquad \qquad \backslash \\
 \text{CH} \qquad \qquad \qquad \text{Cl}^- \qquad \qquad \qquad \text{CH}_3 \\
 / \qquad \backslash \\
 \text{CH}_3(\text{CH}_2)_5\text{-CH} \quad \text{HC--(CH}_2\text{)}_7\text{-C(O)-N(H)} \quad \text{CH}_3 \\
 | \qquad \qquad | \qquad \qquad \qquad | \qquad \qquad | \\
 \text{CH}_3(\text{CH}_2)_5\text{-CH} \quad \text{CH}_2 \qquad \qquad \text{(CH}_2\text{)}_3\text{-N}^+\text{-} \\
 \backslash \qquad / \qquad \qquad \qquad | \\
 \text{CH}_2 \qquad \qquad \text{Cl}^- \qquad \qquad \text{CH}_3
 \end{array}$$

x is an integer ranging from 1 to 2000.

15. A process of claim 13 wherein R is  $-\text{CH}_3(\text{CH}_2)_{12}-$ .

16. A process of claim 13 wherein R is  $-\text{CH}_3(\text{CH}_2)_{14}-$

17. A process of claim 13 wherein R is  $-\text{CH}_3(\text{CH}_2)_{18}-$ .

15. A process of claim 14 wherein R is  $-\text{CH}_3(\text{CH}_2)_{12}-$ .

16. A process of claim 14 wherein R is  $-\text{CH}_3(\text{CH}_2)_{14}-$

17. A process of claim 14 wherein R is  $-\text{CH}_3(\text{CH}_2)_{18}-$ .